

*What is Claimed is;*

~~The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:~~

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1. A locomotive remote control system comprising:

- a transmitter capable of generating a binary coded radio frequency signal representing commands to be executed by the locomotive;

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- a slave controller for mounting on-board the locomotive, said slave controller comprising:

a) a receiver for sensing said radio frequency signal;

b) a processor for receiving said radio frequency signal;

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c) a velocity sensor means for generating data representing velocity of the locomotive, said processor being responsive to said velocity sensor means and to said RF signal to actuate either one of a brake of a locomotive or a tractive power of the locomotive in order to attempt maintaining a requested speed.

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2. A locomotive control system comprising:

a) a transmitter for generating a binary coded RF signal; and

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b) a slave controller mounted on-board the locomotive for receiving said signal, said slave controller constituting means for selectively accepting

commands from a first transmitter or from a second transmitter.

3. A remote control system for a locomotive comprising:

a) a transmitter for generating an RF binary coded signal; and

b) a slave controller mounted on-board the locomotive, said slave controller comprising:

- a first sensor responsive to pressure of compressed air in a main tank of said locomotive;

- a second sensor responsive to flow of compressed air in a pneumatic brake line, said slave controller being responsive to output of said sensors to enable application of tractive power to said locomotive only when a pressure in said main tank is above a predetermined level and a flow of air in said brake line is below a predetermined level.

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